



#### Editor

Jackie Cassell (UK)

#### Deputy Editors

David Lewis (South Africa)

Nicola Low (Switzerland)

#### Associate Editors

Sevgi Aral (USA)

Gary Brook (UK)

Richard De Visser (UK)

Sinead Delany-Moretlwe (South Africa)

Khalil Ghanem (USA)

David Goldmeier (UK)

Patti Gravitt (USA)

Sarah Hawkes (UK)

Gwenda Hughes (UK)

Cathy Ison (UK)

Rudolf Mak (Belgium)

Cath Mercer (UK)

Jonathan Ross (UK)

Jennifer Smith (USA)

Katy Turner (UK)

Helen Weiss (UK)

Richard White (UK)

William Wong (China)

#### Statistical Advisor

Andrew Copas (UK)

#### Education Editor

Sarah Edwards (UK)

#### BASHH Editor

Elizabeth Foley (UK)

#### Editorial Office

Sexually Transmitted Infections

BMJ Publishing Group Ltd

BMA House

Tavistock Square

London WC1H 9JR, UK

T: +44 (0)20 7383 6204

F: +44 (0)20 7383 6668

E: [sti@bmjgroup.com](mailto:sti@bmjgroup.com)

ISSN: 1368-4973 (print)

ISSN: 1468-2044 (online)

Impact factor 2.17

**Disclaimer:** STI is published by BMJ Publishing Group Ltd, a wholly owned subsidiary of the British Medical Association. The BMJ Group grants editorial freedom to the Editor of STI. STI follows guidelines on editorial independence produced by the World Association of Medical Editors and the code on good publication practice of the Committee on Publication Ethics.

STI is intended for medical professionals and is provided without warranty, express or implied.

Statements in the journal are the responsibility of their authors and advertisers and not authors' institutions, the BMJ Publishing Group or the BMA unless otherwise specified or determined by law. Acceptance of advertising does not imply endorsement.

To the fullest extent permitted by law, the BMJ Publishing Group shall not be liable for any loss, injury or damage resulting from the use of STI or any information in it whether based on contract, tort, or otherwise. Readers are advised to verify any information they choose to rely on.

**Copyright:** © 2011 BMJ Publishing Group Ltd. All rights reserved; no part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise without prior permission STI is published by BMJ Publishing Group Ltd, typeset by TNQ Books & Journals, Chennai, India, and printed in the UK on acid-free paper from sustainable forests by Latimer Trend & Co Ltd, Plymouth, UK.

*Sexually Transmitted Infections* (ISSN 1368 4973) is published bimonthly by BMJ Publishing Group and is distributed in the USA by Mercury International Ltd. Periodicals postage paid at Rahway, NJ. POSTMASTER: send address changes to *Sexually Transmitted Infections*, Mercury International Ltd, 365 Blair Road, Avenel, NJ, 07001, USA.

### Whistlestop tour

1 J A Cassell

### Editorial

2 Program Science: an initiative to improve the planning, implementation and evaluation of HIV/sexually transmitted infection prevention programmes

J F Blanchard, S O Aral

### Reviews

4 Ocular syphilis among HIV-infected patients: a systematic analysis of the literature

J D Tucker, J Z Li, G K Robbins, B T Davis, A-M Lobo, J Kunkel, G N Papaliadis, M L Durand, D Felsenstein

9 Treatment of syphilis in HIV-infected subjects: a systematic review of the literature

L J Blank, A M Rompalo, E J Erbelding, J M Zenilman, K G Ghanem

### Epidemiology

17 Estimating the risk of HIV transmission from homosexual men receiving treatment to their HIV-uninfected partners

T B Hallett, C Smit, G P Garnett, F de Wolf

22 Modelling the interactions between herpes simplex virus type 2 and HIV: implications for the HIV epidemic in southern India

A M Foss, P T Vickerman, P Mayaud, H A Weiss, B M Ramesh, S Reza-Paul, R Washington, J Blanchard, S Moses, C M Lowndes, M Alary, C H Watts

28 HIV infection and sexual behaviour in primary and secondary infertile relationships: a case-control study in Kigali, Rwanda

N Dhont, C Muvunyi, S Luchters, J Vyankandondera, L De Naeyer, M Temmerman, J van de Wijert

35 Low seroprevalence of syphilis in Burkina Faso

F Kirakoya-Samadoulougou, M-C Defer, S Yaro, P Fao, F Ilboudo, Y Langani, N Meda, A Robert, N Nagot

### Clinical

38 Association of *Mycoplasma genitalium* with balanoposthitis in men with non-gonococcal urethritis

P J Horner, D Taylor-Robinson

41 Different population-level vaccination effectiveness for HPV types 16, 18, 6 and 11  
M Brisson, N Van de Velde, M-C Boily

44 Syphilitic periostitis of the skull and ribs in a HIV positive patient

M Samarkos, C Giannopoulou, E Karantoni, V Papastamopoulos, I Baraboutis, A Skoutelis

### Health services research

46 Effect of single session counselling on partner referral for sexually transmitted infections management in Bangladesh

N Alam, P K Streatfield, M Shahidullah, D Mitra, S H Vermund, S Kristensen

52 Evaluating societal preferences for human papillomavirus vaccine and cervical smear test screening programme

B Oteng, F Marra, L D Lynd, G Ogilvie, D Patrick, C A Marra

58 Contraceptive practices, sexual and reproductive health needs of HIV-positive and negative female sex workers in Goa, India

S Woyal, F Cowan, P Warner, A Copas, D Mabey, M Shahmanesh

### Behaviour

65 HIV prevalence and risk behaviours among men having sex with men in Nigeria

M Merrigan, A Azeez, B Afolabi, O N Chabikuli, O Onyekwena, G Eluwa, B Aiyenigba, I Kawu, K Ogungbemi, C Hamelmann

71 Diagnosis and counselling of patients with acute HIV infection in South Africa

B J Wolpaw, C Mathews, M Chopra, D Hardie, M N Lurie, K Jennings

73 The descriptive epidemiology of male sex workers in Pakistan: a biological and behavioural examination

S Y Shaw, F Emmanuel, A Adrien, M Holte-Mckenzie, C P Archibald, P Sandstrom, J F Blanchard

MORE CONTENTS ►



This article has been chosen by the Editor to be of special interest or importance and is freely available online.



Articles carrying the Unlocked Logo are freely available online under the BMJ Journals unlocked scheme. See <http://sti.bmj.com/info/unlocked.dtl>

C O P E

COMMITTEE ON PUBLICATION ETHICS

This journal is a member of and subscribes to the principles of the Committee on Publication Ethics

[www.publicationethics.org.uk](http://www.publicationethics.org.uk)



---

**Short report**

- 81** Human papillomavirus infection in female sex workers in Lima, Peru  
*S M Montano, E J Hsieh, M Calderón, T G N Ton, E Quijano, V Solari, J R Zunt*
- 

**Clinical round-up**

- 83** *M Desai*

---

**Miscellaneous**

- 8** Correction  
**21** Book review  
**43, 70** Letters